

A-1062

Total Pages : 3

Roll No. -----

CCRT-102

**Community Radio Production: System and
Technology**

Certificate in Community Radio Technology

1st Semester Examination 2024 (June)

Time: 2:00 hrs

Max. Marks: 100

Note : This paper is of Hundred (100) marks divided into Two (02) Section A and B. Attempt the questions contained in these sections according to the detailed instructions given therein. Candidates should limit their answers to the questions on the given answer sheet. No additional (B) answer sheet will be issued.

P.T.O.

Section-A (Long-Answer-Type Questions)

Note : Section 'A' contains Five (05) long-answer-type questions of Twenty Six (26) marks each. Learners are required to answer any Two (02) questions only.

[2x26=52]

- Q.1. Discuss the issues related to the maintenance of AC plants and ventilation in the studios. [26]
- Q.2. Describe the techniques of using soldering, stripping and crimping tools for wiring and interconnecting of cables in a studio setup. [26]
- Q.3. With the help of a flowchart explain in detail the process/steps involved in a sound recording. [26]
- Q.4. Explain in detail the hardware used in Audio recording. Analyze the pros and cons of free software, as compared to its commercial counterparts. [26]
- Q.5. Write a short note on the following:
- i. Characteristics of sound
 - ii. Characteristics of a Digital Analogue
 - iii. Sampling and quantization
 - iv. Nyquist criteria [26]

Section-B (Short-Answer-Type Questions)

Note : Section 'B' contains Eight (08) short-answer-type questions of Twelve (12) marks each. Learners are required to answer any Four (04) questions only. [4x12=48]

- Q.1. Differentiate between mono and stereo sound? [12]
- Q.2. Explain the process of propagation of sound waves? [12]
- Q.3. Explain the difference between dynamic and condenser microphones. [12]
- Q.4. Name and explain the commonly used audio connectors. [12]
- Q.5. Differentiate between single and multi-track recording. [12]
- Q.6. What do you mean by mixing? Explain in detail. [12]
- Q.7. Describe the maintenance of DAWs. [12]
- Q.8. Why is a clean and dust-free environment important for broadcast equipment? Justify your answer. [12]
